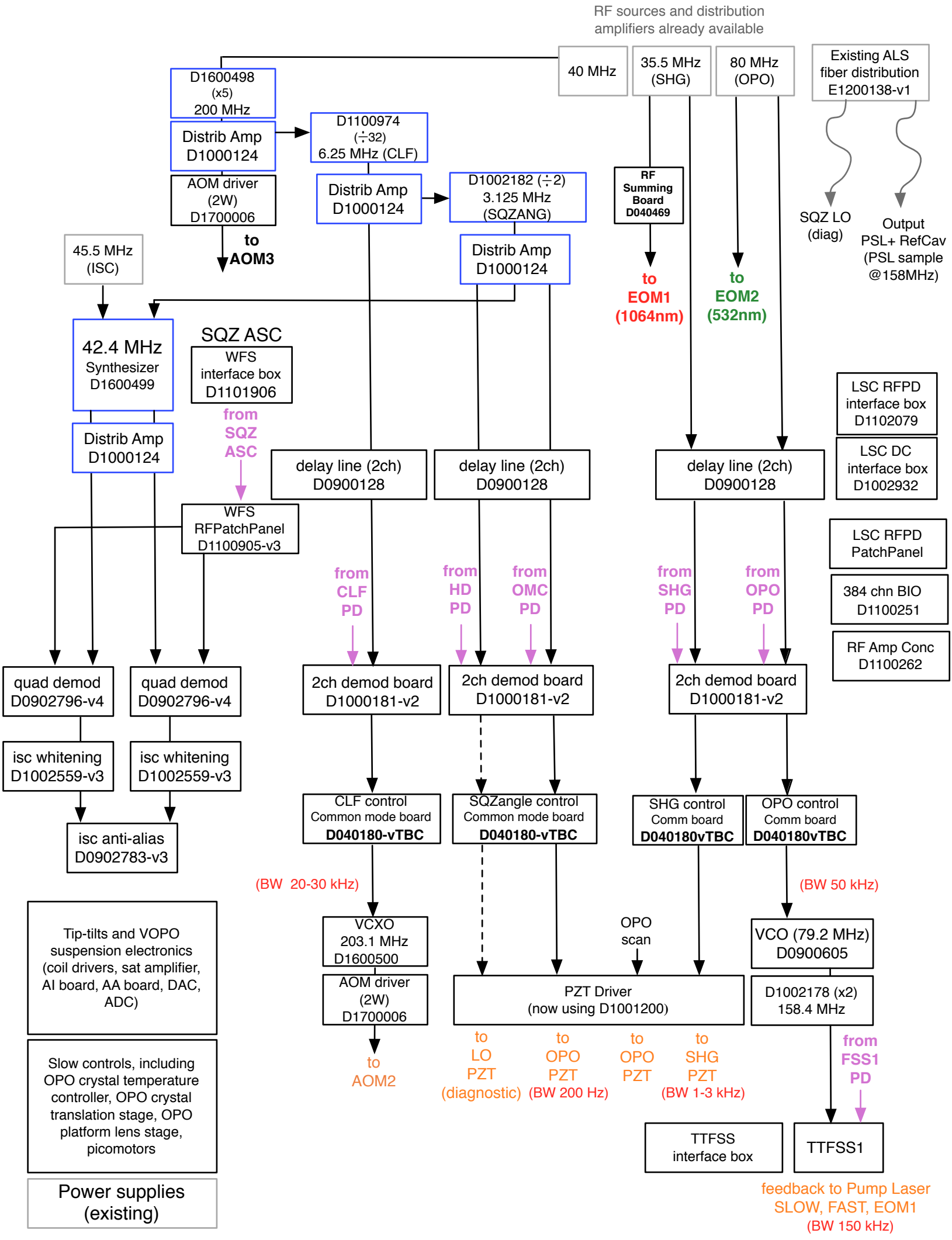
RF sources and distribution amplifiers already available
40 MHz
35.5 MHz (SHG)
80 MHz (OPO)
Existing ALS fiber distribution E1200138-v1
D1600498 (x5) 200 MHz
Distrib Amp D1000124
AOM driver (2W) D1700006
to AOM3
D1100974 (÷32) 6.25 MHz (CLF)
Distrib Amp D1000124
D1002182 (÷2) 3.125 MHz (SQZANG)
Distrib Amp D1000124
RF Summing Board D040469
to EOM1 (1064nm)
to EOM2 (532nm)
SQZ LO (diag)
Output PSL+ RefCav (PSL sample @158MHz)
45.5 MHz (ISC)
42.4 MHz Synthesizer D1600499
Distrib Amp D1000124
SQZ ASC
WFS interface box D1101906
from SQZ ASC
WFS RFPatchPanel D1100905-v3
delay line (2ch) D0900128
delay line (2ch) D0900128
delay line (2ch) D0900128
LSC RFPD interface box D1102079
LSC DC interface box D1002932
LSC RFPD PatchPanel
384 chn BIO D1100251
RF Amp Conc D1100262
from CLF PD
from HD PD
from OMC PD
from SHG PD
from OPO PD
quad demod D0902796-v4
quad demod D0902796-v4
isc whitening D1002559-v3
isc whitening D1002559-v3
isc anti-alias D0902783-v3
2ch demod board D1000181-v2
2ch demod board D1000181-v2
2ch demod board D1000181-v2
CLF control Common mode board D040180-vTBC
SQZangle control Common mode board D040180-vTBC
SHG control Comm board D040180vTBC
OPO control Comm board D040180vTBC
(BW 20-30 kHz)
(BW 50 kHz)
VCXO 203.1 MHz D1600500
AOM driver (2W) D1700006
to AOM2
OPO scan
PZT Driver (now using D1001200)
VCO (79.2 MHz) D0900605
D1002178 (x2) 158.4 MHz
to LO PZT (diagnostic)
to OPO PZT (BW 200 Hz)
to OPO PZT
to SHG PZT (BW 1-3 kHz)
from FSS1 PD
TTFSS interface box
TTFSS1
feedback to Pump Laser SLOW, FAST, EOM1 (BW 150 kHz)
Tip-tilts and VOPO suspension electronics (coil drivers, sat amplifier, AI board, AA board, DAC, ADC)
Slow controls, including OPO crystal temperature controller, OPO crystal translation stage, OPO platform lens stage, picomotors
Power supplies (existing)